

1

11b

11a

12b

12a

13

14a

14

15

16

16a

2θ

This diagram shows an exploded perspective view of the second embodiment of the device. It includes a main body (18) with a top surface (22) and a bottom surface (22). A top cover (11b) and a bottom cover (11a) are shown, each with a heart-shaped opening. A top screw (25) and a bottom screw (25) are shown, each with a corresponding washer (25) and a corresponding nut (25). The top cover (11b) is shown with a top screw (25) and a top washer (25) being inserted into the top surface (22). The bottom cover (11a) is shown with a bottom screw (25) and a bottom washer (25) being inserted into the bottom surface (22).

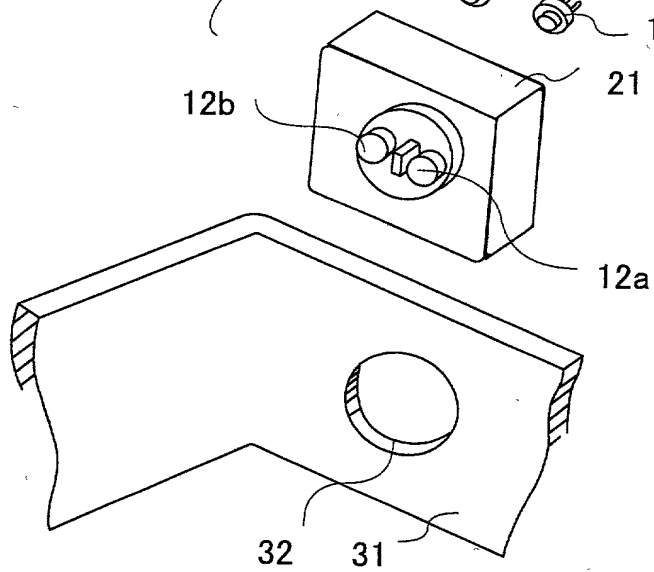


FIG.3

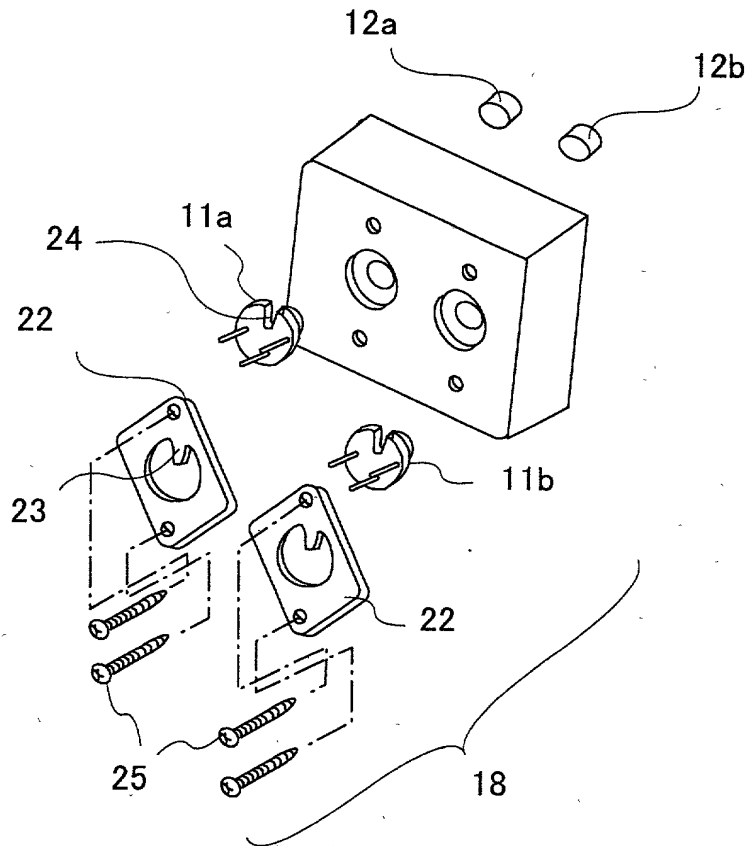


FIG.5A

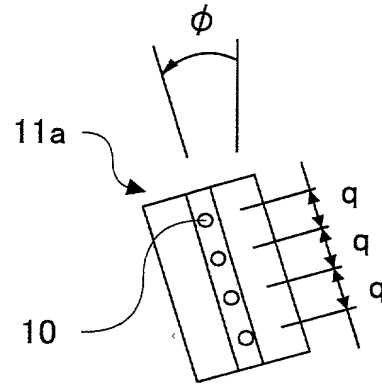
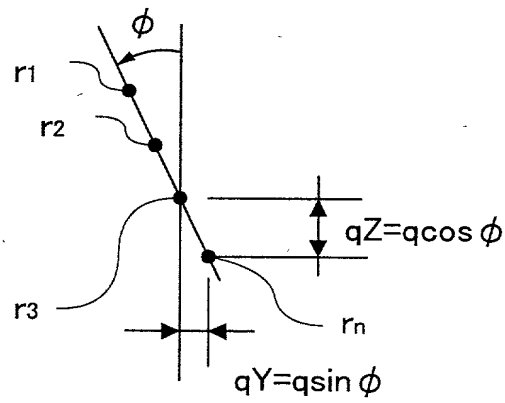


FIG.5B



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FIG.6

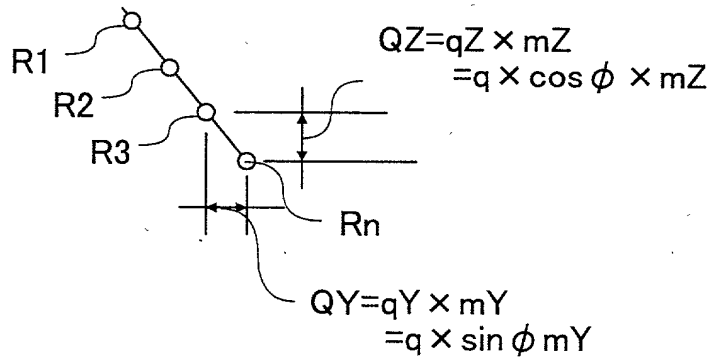


FIG.7

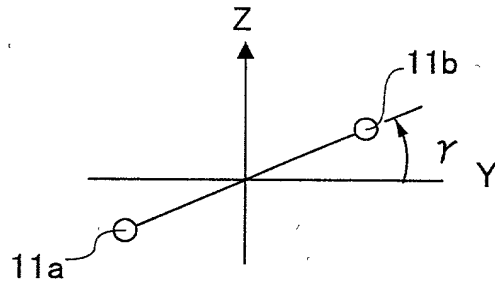


FIG.8

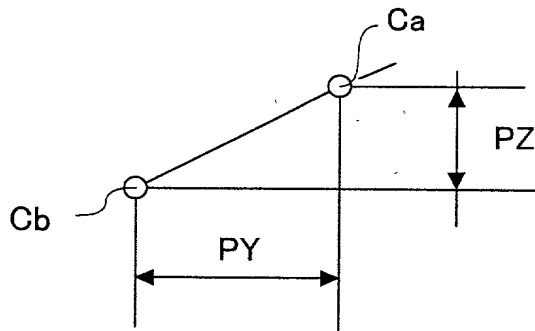


FIG.9A

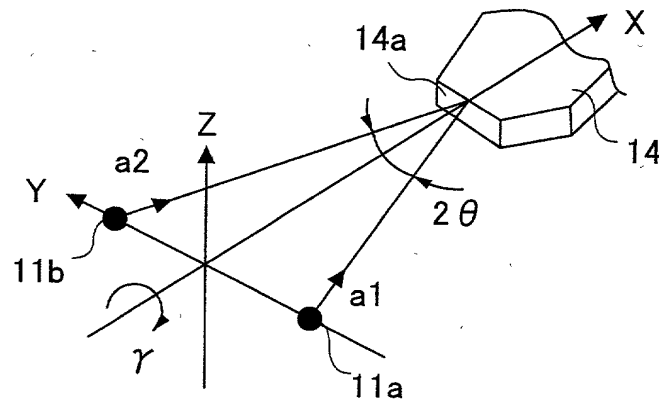


FIG.9B

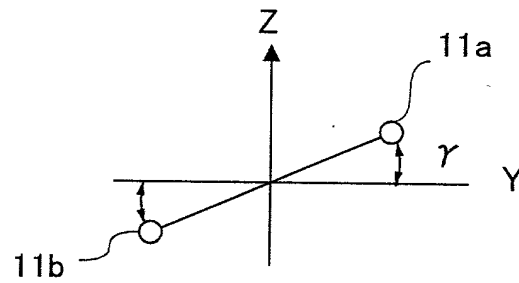


FIG.9C

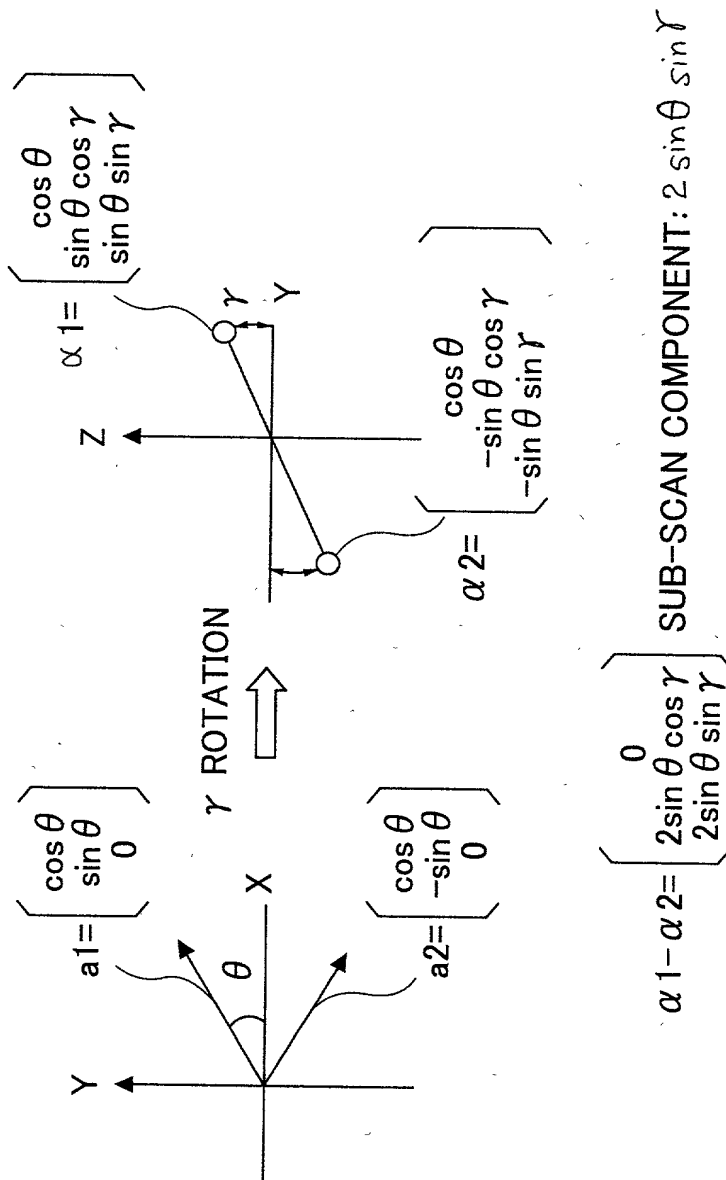


FIG.10A

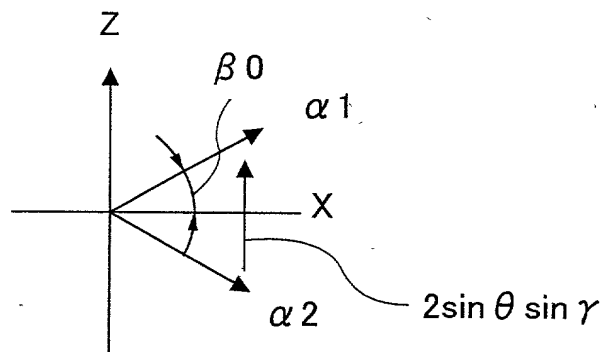


FIG.10B

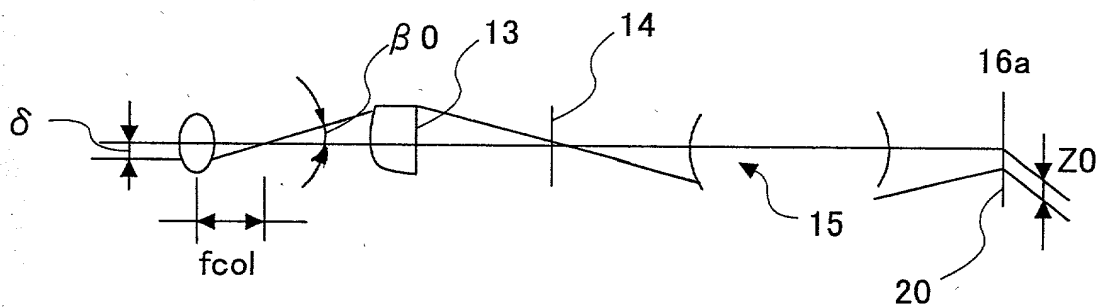


FIG.10C

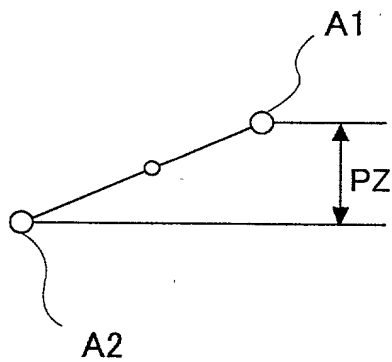


FIG.11

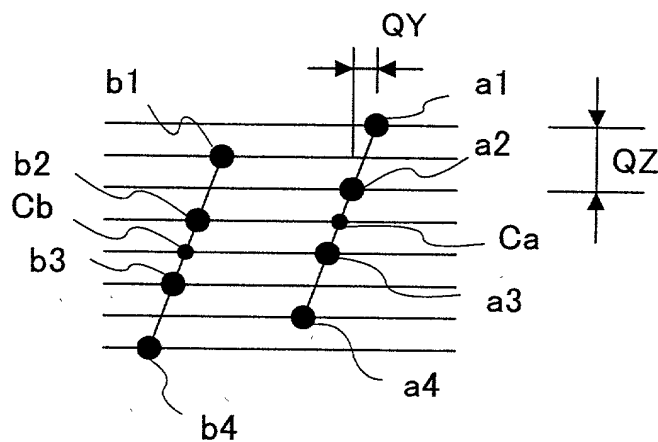


FIG.12

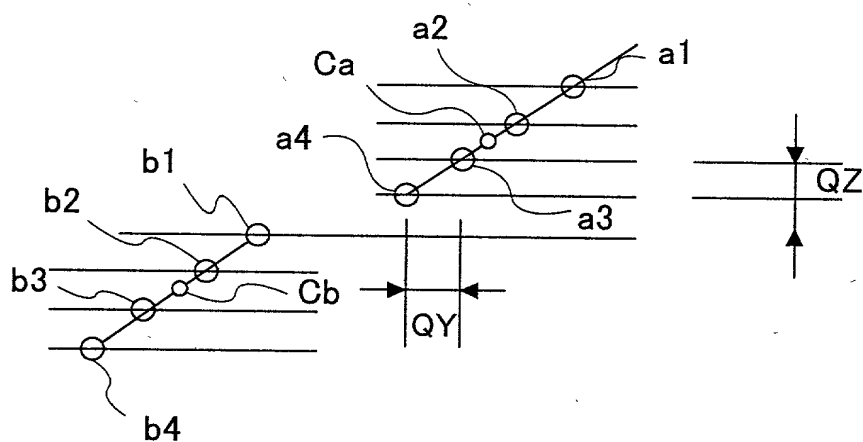


FIG.13A

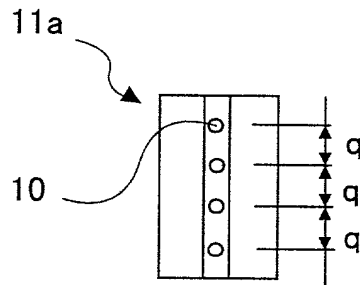


FIG.13B

LIGHT SOURCE

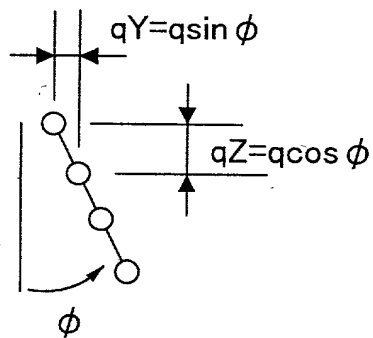
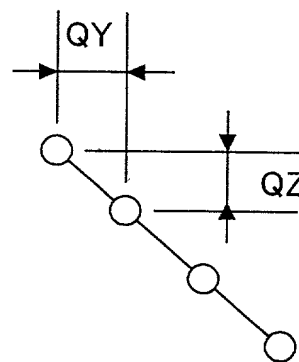


IMAGE SURFACE



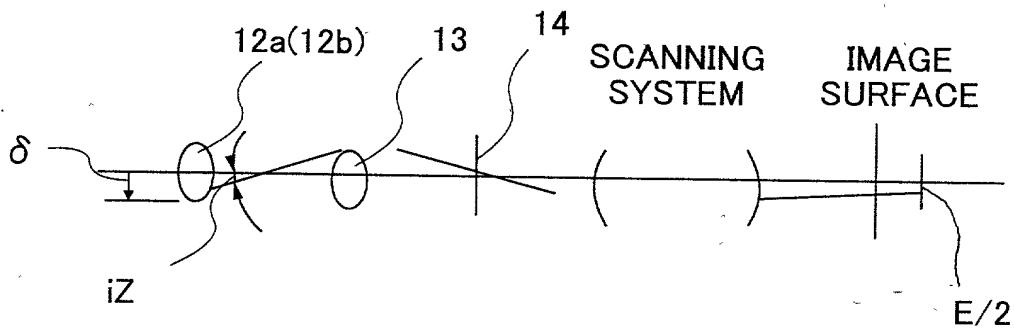


FIG.15A

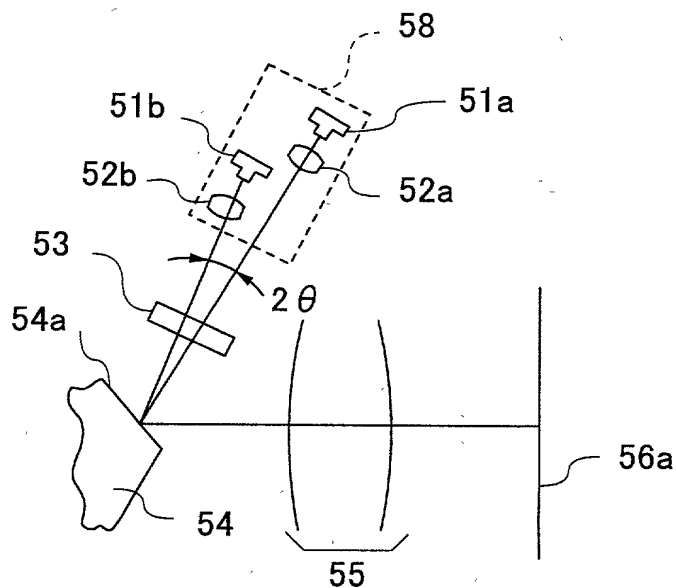


FIG.15B

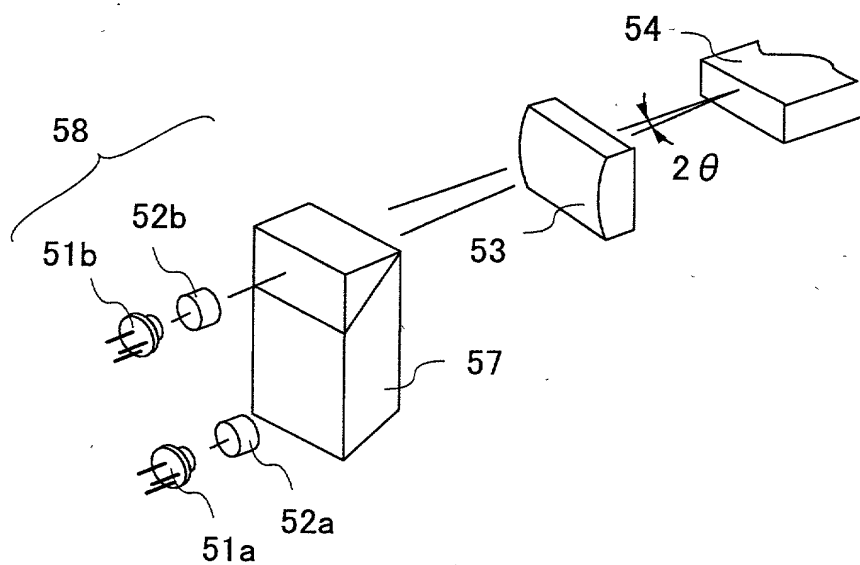


FIG.16A

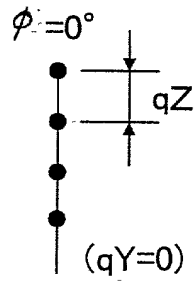


FIG.16B

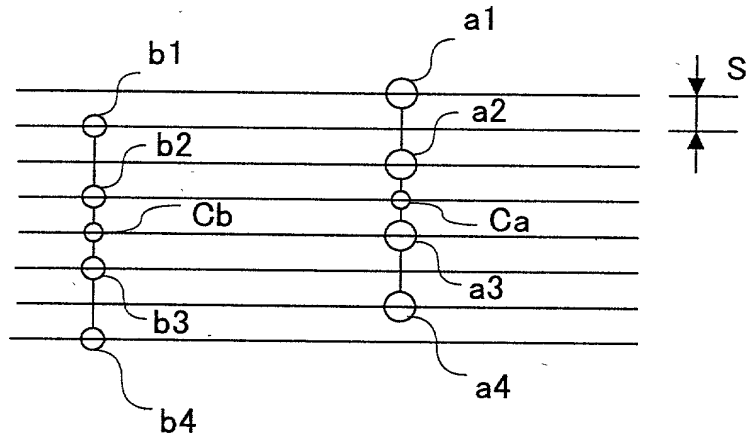


FIG.17

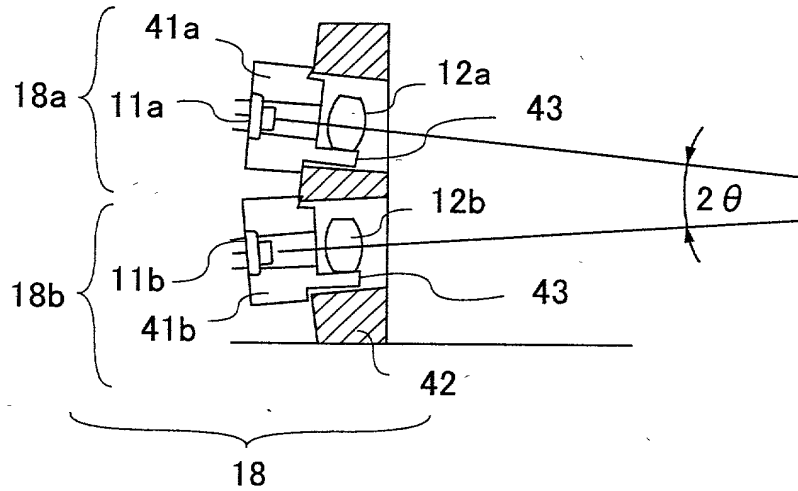


FIG.18

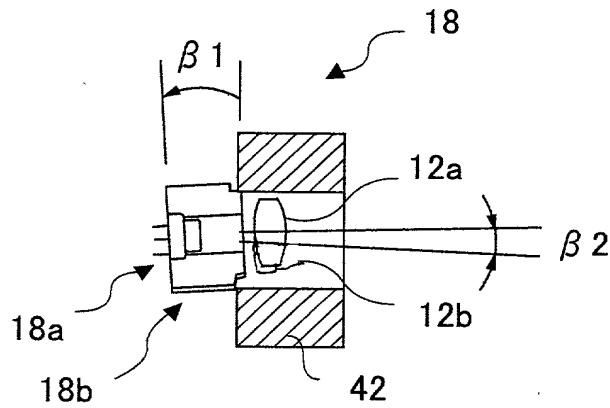


FIG.19

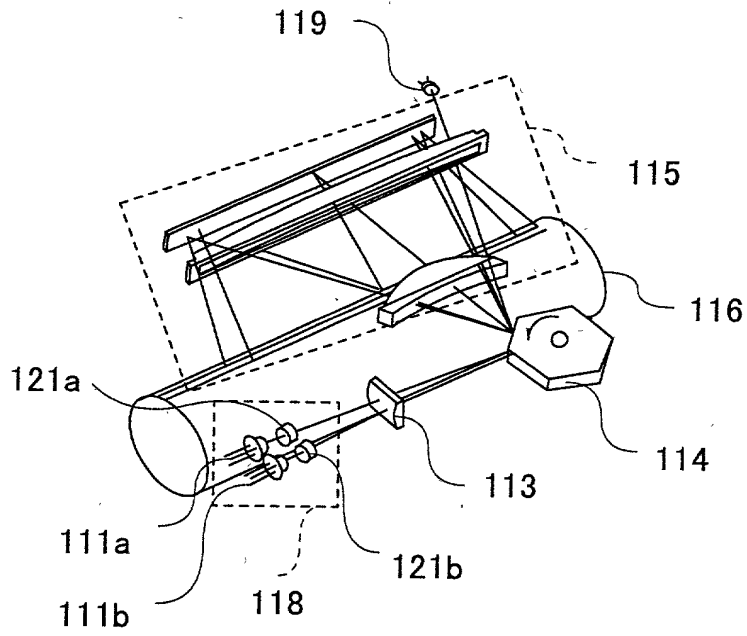
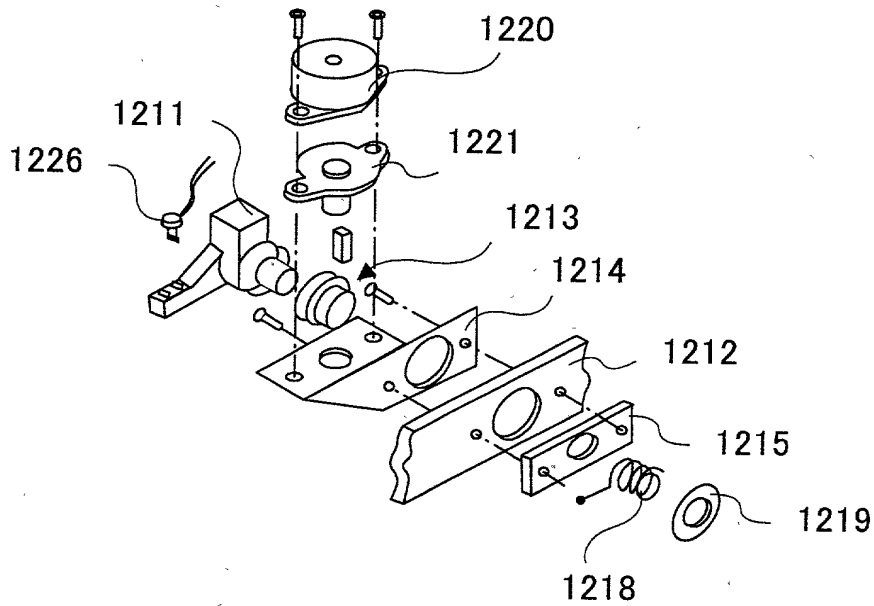


FIG.20B



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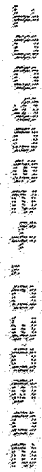


FIG.22A

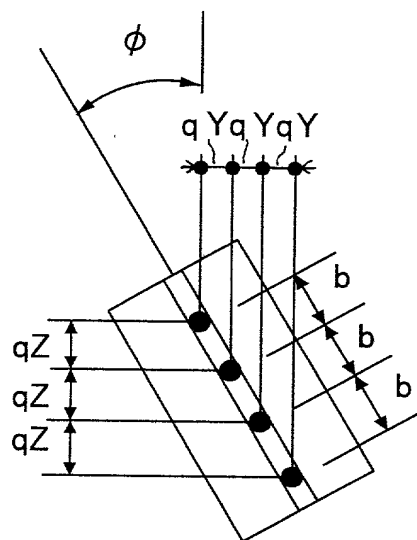


FIG.22B

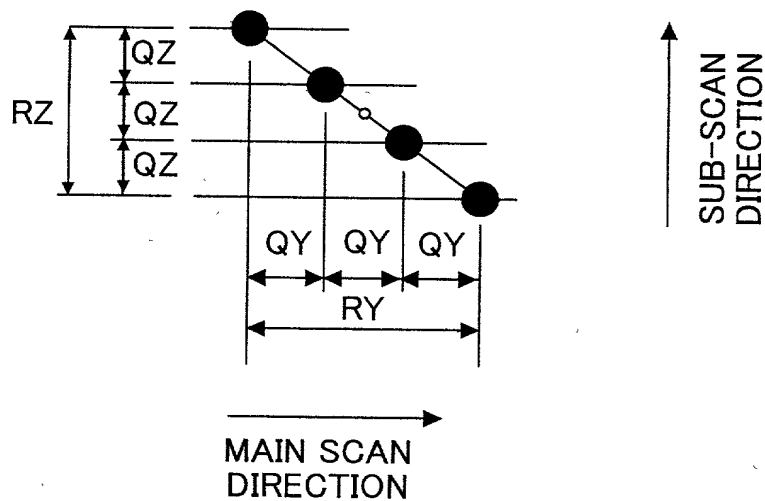


FIG.23A

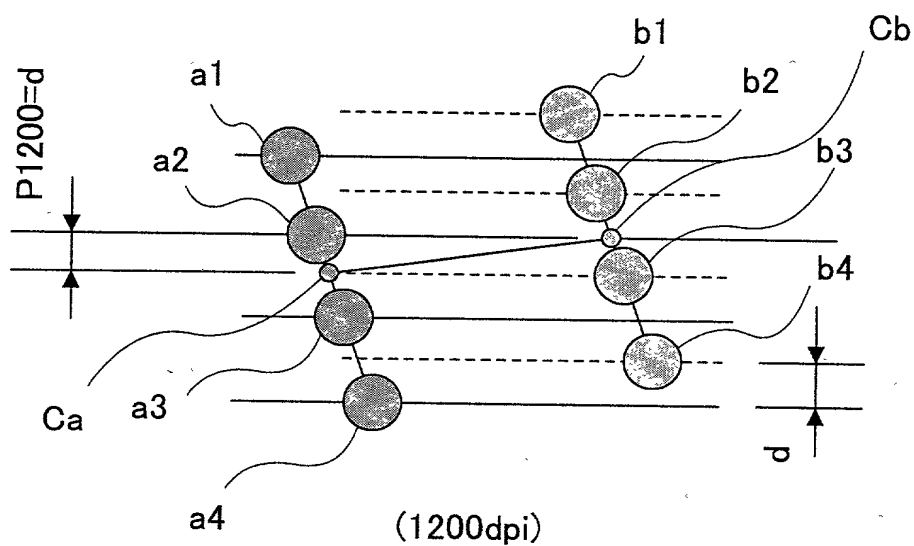


FIG.23B

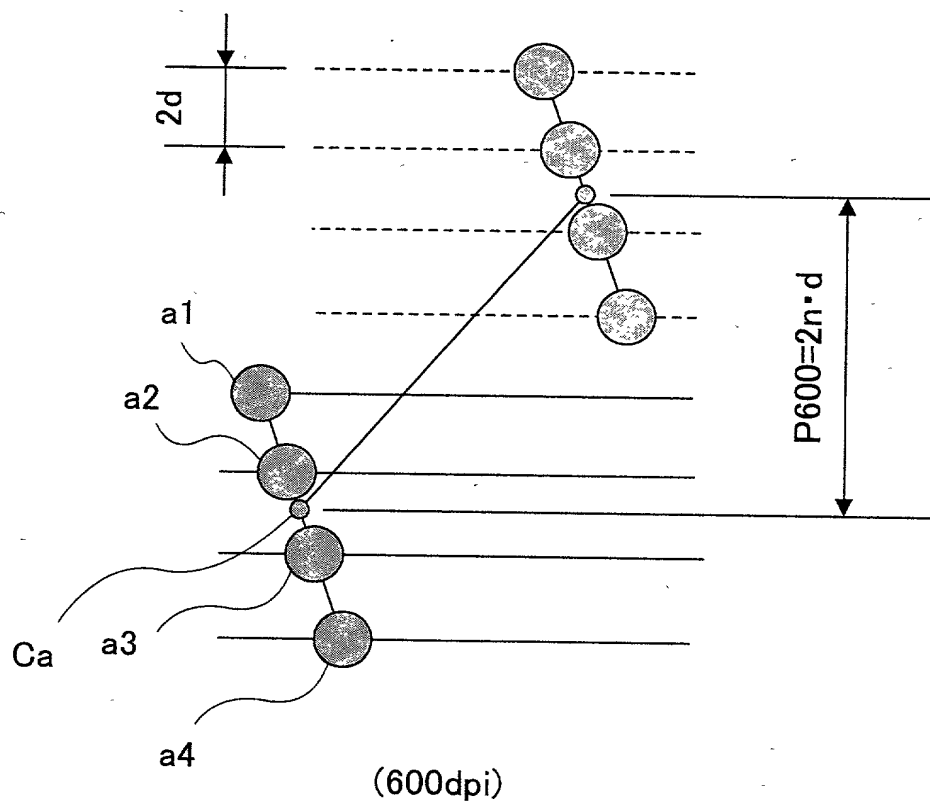


FIG.24

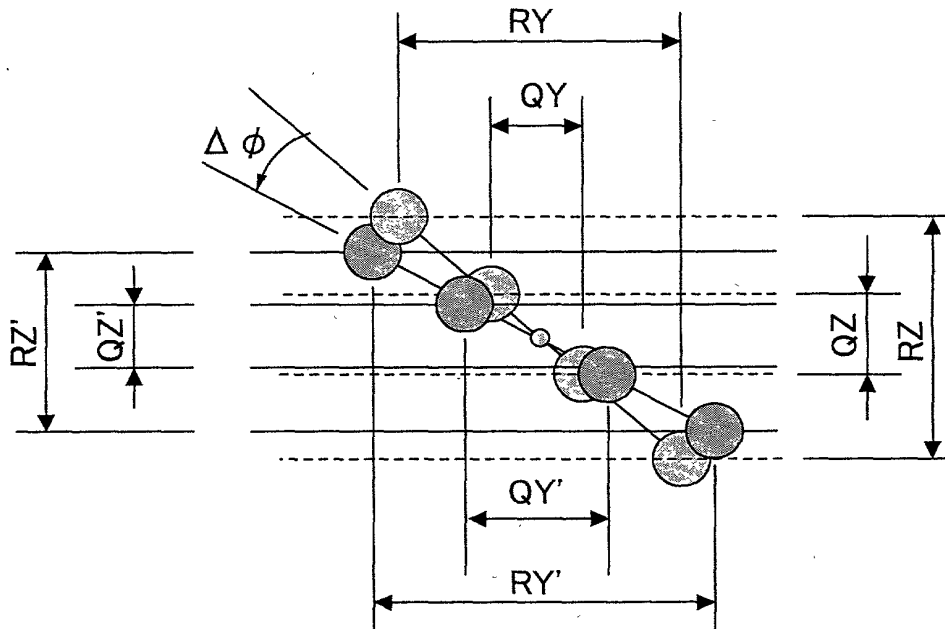


FIG.25

SCAN LINE INTERVAL	d	【 μ m】	21.2
NUMBER OF LIGHT EMITTING POINTS ON EACH LD ARRAY	n		4
LIGHT EMITTING POINT INTERVAL	q	【 μ m】	14
LD ARRAY ARRANGEMENT ANGLE	ϕ	【°】	70
MAIN SCAN DIRECTION MAGNIFICATION	mY	【TIMES】	15
SUB-SCAN DIRECTION MAGNIFICATION	mZ	【TIMES】	8.85
FOCAL LENGTH OF COUPLING LENS	fcol	【mm】	15
CROSSING ANGLE	2θ	【°】	5
FOCAL LENGTH OF SCANNING OPTICAL SYSTEM (ALONG MAIN SCAN DIRECTION)	FY	【mm】	225

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FIG.26

SCAN LINE INTERVAL	d	【 μ m】	21.2
NUMBER OF LIGHT EMITTING POINTS ON EACH LD ARRAY	n		4
LIGHT EMITTING POINT INTERVAL	q	【 μ m】	14
LD ARRAY ARRANGEMENT ANGLE	ϕ	【 $^{\circ}$ 】	0
MAIN SCAN DIRECTION MAGNIFICATION	mY	【TIMES】	15
SUB-SCAN DIRECTION MAGNIFICATION	mZ	【TIMES】	3.03
FOCAL LENGTH OF COUPLING LENS	fcol	【mm】	15
CROSSING ANGLE	2θ	【 $^{\circ}$ 】	3

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FIG.27A

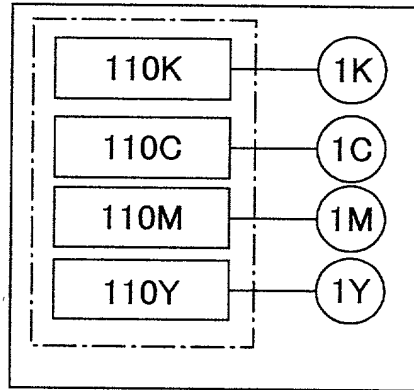


FIG.27B

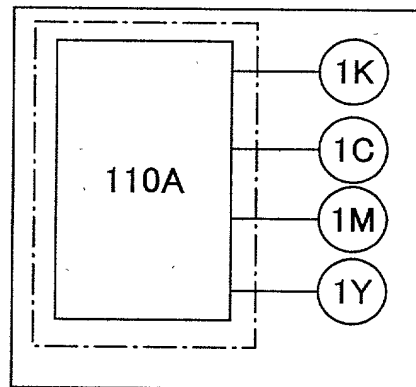


FIG.27C

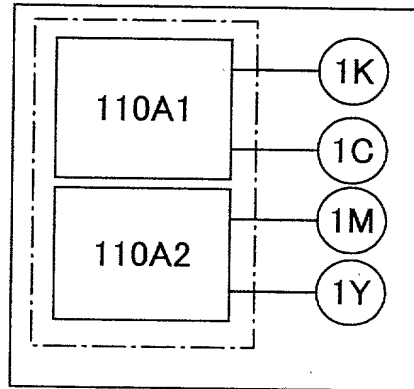


FIG.27D

